



Fanny Dufossé

Personal information

Birthdate January 12, 1984.
Birthplace Marseille, France.
Nationality French.

Education

- 2008–2011 **PhD. thesis in Computer Science**, *ENS Lyon*, Lyon, *Scheduling for Reliability : Complexity and Algorithms*..
- 2006–2008 **Master in Computer Science, with honors**, *ENS Lyon*, Lyon, .
Courses: Parallel algorithm, Turing complexity, Elementary functions, Types and games, non Turing complexity, Category Theory, scheduling, Cellular Automata, Network algorithms and telecommunication, algorithmic for arithmetic, graph, distributed system, Probabilities and algorithmic applications, Kolmogorov Complexity, Tesselations, Algorithmic on Euclidean network and applications, Semantic parallelism, Automata on infinite words.
- 2005–2006 **Degree in Computer Science**, *ENS Lyon*, Lyon.
Courses: Algorithms, Effective algorithmic, Computer architecture, Programming languages, Graph algorithms, Decidability, Object-oriented programming and software engineering, Network, Graphics fundamentals.
- 2002–2005 **MPSI and MP***, *Lycée Thiers*, Marseille.
Intensive undergraduate studies in advanced scientific technologies, mathematics and physics for the competitive entrance exams to the french engineering schools.
- 2002 **Scientific “Baccalauréat”, with honors**, *Lycée Marseilleveyre*, Marseille.
French secondary school diploma, equivalent to the “A” levels. Emphasis in Mathematics.

PhD. thesis

title *Scheduling for Reliability : Complexity and Algorithms*.
supervisors Yves Robert and Anne Benoit
description My Phd. thesis is about algorithmic aspects of heterogeneous and parallel computing.

Publications

Anne Benoit, Fanny Dufossé, and Yves Robert. Filter placement on a pipelined architecture. In *11th Workshop on Advances in Parallel and Distributed Computational Models APDCM 2009*. IEEE Computer Society Press, 2009.

Anne Benoit, Fanny Dufossé, and Yves Robert. On the complexity of mapping pipelined filtering services on heterogeneous platforms. In *IPDPS'2009, the 23rd IEEE International Parallel and Distributed Processing Symposium*. IEEE Computer Society Press, 2009.

Kunal Agrawal, Anne Benoit, Fanny Dufossé, and Yves Robert. Mapping filtering streaming applications with communication costs. In *21st ACM Symposium on Parallelism in Algorithms and Architectures SPAA 2009*. ACM Press, 2009.

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Kunal Agrawal, Anne Benoit, Fanny Dufossé, and Yves Robert. Mapping filtering streaming applications. *Algorithmica*, 2010.

Anne Benoit, Bruno Gaujal, Fanny Dufossé, Matthieu Gallet, and Yves Robert. Computing the throughput of probabilistic and replicated streaming applications. In *22nd ACM Symposium on Parallelism in Algorithms and Architectures SPAA 2010*. ACM Press, 2010.

Anne Benoit, Fanny Dufossé, Alain Girault, and Yves Robert. Reliability and performance optimization of pipelined real-time systems. In *International Conference on Parallel Processing*, page 20, San Diego États-Unis, 2010.

Henri Casanova, Fanny Dufossé, Yves Robert, and Frédéric Vivien. Scheduling parallel iterative applications on volatile resources. In *IPDPS'2011, the 25th IEEE International Parallel and Distributed Processing Symposium*. IEEE Computer Society Press, 2011.

Guillaume Aupy, Anne Benoit, Fanny Dufossé, and Yves Robert. Brief announcement: Reclaiming the energy of a schedule, models and algorithms. In *23rd ACM Symposium on Parallelism in Algorithms and Architectures SPAA 2011*. ACM Press, 2011.